



**BEAM REACTIONS (KIPS)**

|                        | Pier 1 | Pier 2 |
|------------------------|--------|--------|
| Dead Load (steel only) | 41     | 43     |

**BILL OF MATERIAL**

| ITEM   | UNIT    | TOTAL |
|--|---------|-------|
| Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches) | Sq. Ft. | 14    |

**LEGEND**

Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

**NOTES:**

- Actual quantities shall be approved by the Engineer.
- If Temporary Shoring and Cribbing is required to perform a concrete repair, shoring and repair shall be done while the bridge deck is removed.

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Alfred Benesch & Company  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450 Job No. 10093

|                                     |                        |                |           |
|-------------------------------------|------------------------|----------------|-----------|
| FILE NAME =                         | USER NAME = jsurber    | DESIGNED - TJJ | REVISED - |
| 0160483.60J16.033.Pier.Repair.1.dgn |                        | CHECKED - AJK  | REVISED - |
|                                     | PLOT SCALE =           | DRAWN - RMG    | REVISED - |
|                                     | PLOT DATE = 12/20/2013 | CHECKED - AJK  | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PIERS 1 AND 2 CONCRETE REPAIR DETAILS**  
**STRUCTURE NO. 016-0483**

SHEET NO. SE33 OF SE46 SHEETS

| F.A.P. RTE.        | SECTION     | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|-------------|--------|---------------------------|-----------|
| 372                | 2013-038B-R | COOK   | 821                       | 517       |
| CONTRACT NO. 60J16 |             |        | ILLINOIS FED. AID PROJECT |           |

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